US Army Corps of Engineers®
Engineer Research and Development Center

The Data Warehouse

Description

The Data Warehouse, one of the applications of the Common Management Information Environment (CMIE), is a one-stop data source for all reporting requirements associated with project, program, and resource management. It provides ways to help ERDC users manage Corps of Engineers Financial Management System (CEFMS), P2, and other data they need on a day-to-day basis for program/project management activities.

Capabilities

The Data Warehouse provides a single repository for key corporate information, ensures the integrity and reliability of that information, gives end users ready access to organizational data, and analyzes corporate data and produces predictive "what-if" models.

Supporting Technology

The Data Warehouse provides the following current data:

- Financial data pulled from CEFMS

- Project data pulled from P2

- Flat rate burden data

- Classifier data

- Customer survey data

The Data Warehouse pulls data from each of its systems on a nightly basis. Historical data are archived monthly going back to FY 2000.

Benefits

The Warehouse offers the following benefits to laboratory Management Integration Offices, resource providers, engineers and scientists, and all of ERDC:

- Facilitates development of customized queries.

- Supports customization of standard reports to meet the specific requirements of individual users.

- Allows exporting and copying data into software such as Excel and Word.

- Integrates project execution data from different transactional systems.

- Provides quick, accurate responses to inquiries on project status and requirements.

- Provides the same reporting capability to all ERDC sites.

Success Stories

According to Joy Murphy, Management Integration Office, Information Technology Laboratory, "I use the ERDC DW [Data Warehouse] daily for report1, checking the frb [flat rate burden] report, labor, etc. I don't like having a lot of paper on my desk, so it helps to open DW to view what I need. I'm truly ready for the upgrade version, but otherwise I'm extremely satisfied with it."

Brenda Smith, Coastal and Hydraulics Laboratory, ERDC, said that the Data Warehouse reports are extremely helpful. She likes the options of the different reporting methods. According to Brenda, "Overall, it is my bible on projects for commitments, expenditures and obligations. Very good reporting tool."

Charles Miller, Environmental Laboratory, ERDC, states that his job duties are almost wholly involved with direct support of budget management and daily updates of detailed budget information including fiscal execution. "Essentially all of the data and other information I need and provide are available within the ERDC Data Warehouse (DWH). Via the use of Oracle Discoverer and MS-Excel, it is possible for me to download and display all the DWH supplied information in reports that are updated automatically prior to opening of business. I have found that after the implementation of CEFMS/Huntsville supplied funding tables within DWH, the occurrence of data errors has been drastically reduced and I have a high level of confidence in the results."

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